National Primary Drinking Water Standard Comparison with DJS 2-14 Water Analysis

Comparison with DJS	2-14 Wali	er Ariarysis
Contaminant	MCL or TT· (mg/L)	DJS 2-14 or Fault Block E Water Sample Analysis Results
Acrylamide	TT ⁴	No Analysis
Alachlor	0.002	
Alpha/photon emitters	15 picocuries per Liter (pCi/L)	No Analysis
Antimony	0.006	No Analysis
Arsenic	0.010	
Asbestos (fibers >10 micrometers)	7 million fibers per Liter (MFL)	No Analysis
Atrazine	0.003	No Analysis
Barium	2	0.12
Benzene	0.00500	1.51000
Benzo(a)pyrene (PAHs)	0.0002	No Analysis
Beryllium	0.004	No Analysis
Beta photon emitters	4 millirems per year	(Gross Beta = 57 +- 5.8 pCi/L)
Bromate	0.010	
Cadmium	0.005	No Analysis
Carbofuran	0.04	No Analysis
Carbon tetrachloride	0.005	No Analysis
Chloramines (as Cl ₂)	MRDL=4.0 ¹	No Analysis
Chlordane	0.002	No Analysis
Chlorine (as Cl ₂)	MRDL=4.01	No Analysis
Chlorine dioxide (as CIO ₂)	MRDL=0.8 ¹	No Analysis
Chlorite	1.0	No Analysis
Chlorobenzene		
Chromium (total)	0.1	No Analysis No Analysis
Copper		
	TT ⁵ ; Action Level=1.3	No Analysis
Cryptosporidium		No Analysis No Analysis
Cyanide	Level=1.3	No Analysis
	Level=1.3 TT ⁷ 0.2	No Analysis No Analysis
Cyanide (as free cyanide) 2,4-D	Level=1.3 TT ⁷ 0.2	No Analysis No Analysis No Analysis
Cyanide (as free cyanide) 2,4-D Dalapon	Level=1.3 TT ⁷ 0.2	No Analysis No Analysis
Cyanide (as free cyanide) 2,4-D	Level=1.3 TT ⁷ 0.2	No Analysis No Analysis No Analysis No Analysis
Cyanide (as free cyanide) 2,4-D Dalapon 1,2-Dibromo-3-chloropropane	Level=1.3 π ⁷ 0.2 0.07 0.2	No Analysis No Analysis No Analysis No Analysis No Analysis
Cyanide (as free cyanide) 2,4-D Dalapon 1,2-Dibromo-3-chloropropane (DBCP)	Level=1.3 π ⁷ 0.2 0.07 0.2 0.0002	No Analysis No Analysis No Analysis No Analysis No Analysis

	Com	imon sources of contaminant in drinking water	Public Health Goal (mg/L)
Nervous system or blood problems; increased risk of cancer		ed to water during sewage/ wastewater treatment	zero
Eye, liver, kidney, or spleen problems; anemia; increased risk of cancer		off from herbicide used on row crops	zero
increased risk of cancer	radi	ion of natural deposits of certain minerals that are pactive and may emit a form of radiation known as a radiation	zero
Increase in blood cholesterol; decrease in blood sugar	Disc	harge from petroleum refineries; fire retardants;	0.006
Skin damage or problems with circulatory systems, and may have	Eros	ion of natural deposits; runoff from orchards; runoff	0
Increased risk of developing benign intestinal polyps		ay of asbestos cement in water mains; erosion of gral deposits	7 MFL
Cardiovascular system or reproductive problems	Run	off from herbicide used on row crops	0.003
Increase in blood pressure	Disc	harge of drilling wastes; discharge from metal	2
Anemia: decrease in blood platelets: increased risk of cancer		harge from factories: leaching from gas storage	zero
Reproductive difficulties; increased risk of cancer		thing from linings of water storage tanks and	zero
Reproductive difficulties; increased risk of cancer			
ntestinai lesions		harge from metal refineries and coal-burning	0.004
Increased risk of cancer	min radi:	ay of natural and man-made deposits of certain erals that are radioactive and may emit forms of ation known as photons and beta radiation	zero
Increased risk of cancer		oduct of drinking water disinfection	zero
Kidney damage		osion of galvanized pipes; erosion of natural	0.005
Problems with blood, nervous system, or reproductive system		hing of soil fumigant used on rice and alfalfa	0.04
Liver problems; increased risk	T	Discharge from chemical plants and other industrial	
of cancer Eye/nose irritation; stomach		activities Water additive used to control microbes	zero
discomfort; anemia		water additive used to control microbes	MRDLG=4
Liver or nervous system problems; increased risk of cancer		Residue of banned termiticide	zero
Eye/nose irritation; stomach discomfort	Ī	Water additive used to control microbes	MRDLG=4
Anemia; infants, young children, and fetuses of pregnant women: nervous system effects		Water additive used to control microbes	MRDLG=0.8
Anemia; infants, young children, and fetuses of pregnant women: nervous system effects		Byproduct of drinking water disinfection	0.8
	ł	Discharge from chemical and agricultural chemical	0.1
Liver or kidney problems		factories	0.1
Allergic dermatitis	Ť	Discharge from steel and pulp mills; erosion of	0.1
Short-term esposure: Garantinetarial distress. Long-term esposure: Liver or Michary damage. People with Wilson's Disease should consoult their personal doctor of the amount of copper in heher water exceeds the action level		Corrosion of household plumbing systems; erosion of natural deposits	1.3
Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)		Human and animal fecal waste	zero
	†	Discharge from steel/metal factories; discharge from plastic and fertilizer factories	0.2
Nerve damage or thyroid problems	1	Runoff from herbicide used on row crops	0.07
Nerve damage or thyroid problems Kidney, liver, or adrenal gland problems			0.07
problems Kidney, liver, or adrenal gland problems			0.07
problems Kidney, liver, or adrenal		Runoff from herbicide used on rights of way Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards	
problems Kidney, liver, or adrenal gland problems Minor kidney changes Reproductive difficulties;	-	Runoff from herbicide used on rights of way Runoff/leaching from soil fumigant used on	0.2
problems didney, liver, or adrenal gland problems Memorphisms Memor	-	Runoff from herbicide used on rights of way Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards	0.2 zero

1,1-Dichloroethylene	0.007	No Analysis
cis-1,2- Dichloroethylene	0.007	No Analysis No Analysis
trans-1,2, Dichloroethylene	0.07	No Analysis
Dichloromethane	0.005	No Analysis
1,2-Dichloropropane	0.005	No Analysis
Di(2-ethylhexyl) adipate	0.4	
Di(2-ethylhexyl) phthalate	0.006	No Analysis
Dinoseb	0.007	No Analysis
Dioxin (2,3,7,8-TCDD)	0.00000003	No Analysis
Diquat	0.02	No Analysis
Endothall	0.1	No Analysis
Endrin	0.002	No Analysis
Epichlorohydrin	TT ⁴	No Analysis
Ethylbenzene	0.7	0.055
Ethylene dibromide Fecal coliform and	0.00005	No Analysis
E. coli	MCL ⁶	No Analysis
Fluoride	4.0	6.88
Giardia lamblia	π7	No Analysis
Glyphosate	0.7	No Analysis
Haloacetic acids (HAA5)	0.060	No Analysis
Heptachlor	0.0004	No Analysis
Heptachlor epoxide	0.0002	No Analysis
Heterotrophic plate count (HPC)	TT7	No Analysis
Hexachlorobenzene	0.001	No Analysis
Hexachloro- cyclopentadiene	0.05	No Analysis
Lead	TT ⁵ ; Action Level=0.015	No Analysis
	Level=0.015	
Legionella	TT ⁷	No Analysis
Lindane	0.0002	No Analysis
Mercury (inorganic)	0.0002	No Analysis
Methoxychlor	0.04	
Nitrate (measured as Nitrogen)	10	< 0.2
Nitrite (measured as Nitrogen)	1	No Analysis
Oxamyl (Vydate) Pentachlorophenol	0.2	No Analysis No Analysis
Picloram	0.001	No Analysis
Polychlorinated biphenyls (PCBs)		
r olychlormated diphenyis (r ebs)	0.0005	No Analysis
Radium 226	5 pCi/L	No Analysis
and Radium 228 (combined)		
Selenium	0.05	<0.005
Simazine	0.004	No Analysis
Styrene	0.1	No Analysis
Tetrachloroethylene	0.005	No Analysis
Thallium	0.002	No Analysis
Toluene Total Coliforms	1 8	0.83
Total Collorms	5.0 percent ⁸	No Analysis
Total Trihalomethanes (TTHMs)		
	0.080	No Analysis
Toxaphene	0.003	No Analysis
2,4,5-TP (Silvex)	0.05	No Analysis
1,2,4-	0.07	
Trichlorobenzene	0.07	No Analysis
1,1,1-	0.2	No Analysis
Trichloroethane 1.1.2-	0.005	
	0.005	No Analysis
Trichloroethane Trichloroethylene	0.005	No Analysis
Turbidity	TT ⁷	No Analysis
Uranium	30μg/L	<5 ug/L
Vinyl chloride	0.002	No Analysis
Viruses (enteric)	TT ²	No Analysis
Xylenes (total)	10	0.39
	10	0.33

	Liver problems		ischarge from industrial chemical factories	0.007
	Liver problems		ischarge from industrial chemical factories	0.07
	Liver problems		ischarge from industrial chemical factories	0.1
	Liver problems; increased risk of cancer		ischarge from industrial chemical factories	zero
	Increased risk of cancer		ischarge from industrial chemical factories	zero
	Weight loss, liver problems, or possible reproduc		scharge from chemical factories	0.4
	Reproductive difficulties; liver problems; increase		scharge from rubber and chemical factories	zero
	Reproductive difficulties		unoff from herbicide used on soybeans and	0.007
	Reproductive difficulties; increased risk of cancer	r Er	missions from waste incineration and other	zero
	Cataracts	Ri	unoff from herbicide use	0.02
	Stomach and intestinal problems	Ri	unoff from herbicide use	0.1
	Liver problems	Re	esidue of banned insecticide	0.002
	Increased cancer risk; stomach problems	Di	scharge from industrial chemical factories; an	zero
	Liver or kidney problems	Di	scharge from petroleum refineries	0.7
	Problems with liver, stomach, reproductive syste	m or Di	scharge from petroleum refineries	zero
	Fecal coliforms and E. COli are bacteria whose	,	8	2010
	presence indicates that the water may be	н	uman and animal fecal waste	zero*
	Bone disease (pain and tenderness of the	Motor	additive which promotes strong teeth;	4.0
	Short-term exposure: Gastrointestinal illness			
		_	and animal fecal waste	zero
	Kidney problems; reproductive difficulties		from herbicide use	0.7
	Increased risk of cancer		luct of drinking water disinfection	n/a¹
	Liver damage; increased risk of cancer		e of banned termiticide	zero
	Liver damage; increased risk of cancer	Breakd	own of heptachlor	zero
	HPC has no health effects; it is an analytic	HPC m	easures a range of bacteria that are naturally	n/a
	method used to measure the variety of bacteria	presen	t in the environment	11/4
	Liver or kidney problems; reproductive	Dischar	rge from metal refineries and agricultural	zero
	Kidney or stomach problems	Dischar	rge from chemical factories	0.05
	Infants and children: Delays in physical or menta			
	development; children could show slight deficits	Corrosi	on of household plumbing systems; erosion	
	in attention span and learning abilities; Adults:		ral deposits	zero
	Kidney problems; high blood pressure		·	
	Legionnaire's Disease, a type of pneumonia	Found	naturally in water; multiplies in heating	zero
	Liver or kidney problems		/leaching from insecticide used on cattle,	0.0002
	Kidney damage		of natural deposits; discharge from refineries	0.002
	Reproductive difficulties		/leaching from insecticide used on fruits,	
	Infants below the age of six months who drink			0.04
	water containing nitrate in excess of the MCL		from fertilizer use; leaching from septic tanks,	10
			e; erosion of natural deposits	
	Infants below the age of six months who drink water containing nitrite in excess of the MCL		from fertilizer use; leaching from septic tanks,	1
			e; erosion of natural deposits	
	Slight nervous system effects		/leaching from insecticide used on apples,	0.2
	Liver or kidney problems; increased cancer risk		rge from wood-preserving factories	zero
	Liver problems		de runoff	0.5
	Skin changes; thymus gland problems; immune	Runoff	from landfills; discharge of waste chemicals	zero
	deficiencies; reproductive or nervous system			
	Increased risk of cancer	Erosion	of natural deposits	zero
	Hair or fingernail loss; numbness in fingers or	Dischar	rge from petroleum and metal refineries;	0.05
	Problems with blood		de runoff	0.004
	Liver, kidney, or circulatory system problems		ge from rubber and plastic factories; leaching	0.004
	Liver, kidney, or circulatory system problems Liver problems; increased risk of cancer		rge from rubber and plastic factories; leaching rge from factories and dry cleaners	
				zero
	Hair loss; changes in blood; kidney, intestine, or		ng from ore-processing sites; discharge from	0.0005
	Nervous system, kidney, or liver problems	Dischar	ge from petroleum factories	1
	Coliforms are bacteria that indicate that other, potentially harmful bacteria may be present. See	Natura	lly present in the environment	zero
	Liver, kidney, or central nervous system	Bynrod	luct of drinking water disinfection	
	problems; increased risk of cancer	Бургоц	oct of drinking water disinfection	n/a ^a
	Kidney, liver, or thyroid problems; increased risk	Runoff,	leaching from insecticide used on cotton and	zero
	Liver problems		e of banned herbicide	0.05
	Changes in adrenal glands	Dischar	rge from textile finishing factories	0.07
			Discharge from metal degreasing sites	0.2
m, or circulatory problems			and other factories	0.2
nune system problems			Discharge from industrial chemical factories	0.0
eased risk of cancer			Discharge from metal degreasing sites	Z
	. It is used to indicate water quality and filtration effe	ectivene	Soil runoff	n/a
ncer, kidney toxicity			Erosion of natural deposits Leaching from PVC pipes; discharge from	ZE

	Liver, nervous system, or circulatory problems			ge from metal degreasing sites er factories	0.2
	Liver, kidney, or immune system problems		Discharg factories	ge from industrial chemical s	0.003
	Liver problems; increased risk of cancer		Discharg	ge from metal degreasing sites	zero
	Turbidity is a measure of the cloudiness of water. It	is used to indicate water quality and filtration effe	ectivenes Soil run	off	n/a
	Increased risk of cancer, kidney toxicity		Erosion	of natural deposits	zero
	Increased risk of cancer		Leaching	g from PVC pipes; discharge from	zero
	Short-term exposure: Gastrointestinal illness (e.g.,	liarrhea, vomiting, cramps)	Human	and animal fecal waste	zero
	Nervous system damage		Discharg	ge from petroleum factories;	10

DISINFECTION BYPRODUCT

MORGANIC CHEMICAL

MICRODIGEANIUM

ORGANIC CHEMICAL

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Contaminant	Contaminan	DJS 2-14 / Fault Block E Water Analysis Results	
Aluminum	0.05 to 0.2 mg/L	1.12	
Chloride	250 mg/L	305	
Color	15 (color units)	Not Analyzed	
Copper	1.0 mg/L	Not Analyzed	
Corrosivity	Noncorrosiv e	Not Analyzed	
Fluoride	2.0 mg/L	6.88	
Foaming Agents	0.5 mg/L	Not Analyzed	
Iron	0.3 mg/L	11.9	
Manganese	0.05 mg/L	0.128	

NATIONAL SECONDARY DRINKING WATER REGULATION

Contaminant	Contaminan	DJS 2-14 / Fault Block E Water Analysis Results	
Aluminum	0.05 to 0.2 mg/L	1.12	
Chloride	250 mg/L	305	
Color	15 (color units)	Not Analyzed	
Copper	1.0 mg/L	Not Analyzed	
Corrosivity	Noncorrosiv e	Not Analyzed	
Fluoride	2.0 mg/L	6.88	
Foaming Agents	0.5 mg/L	Not Analyzed	
Iron	0.3 mg/L	11.9	
Manganese	0.05 mg/L	0.128	
Odor	3 threshold odor number	Not Analyzed	
pH	6.5-8.5	8.8	
Silver	0.10 mg/L	Not Analyzed	-
Sulfate	250 mg/L	34	
Total Dissolved Solids	500 mg/L	1540	
Zinc	5 mg/L	Not Analyzed	